TD 92278GB

User Manual
914D Pocket Receiver

2005-06-14/Ver. A

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1 Introduction

This document provides a description of the 914D pocket receiver and its functionality in default programmed version. Additional functions and factory settings are also included, providing a full description of the functionality. Your system may not supply all functions described in this document, for information about your system, please contact your supplier.

The following documents are recommended as a complement:

- System Description On Site Paging System - TD91034GB
- User Guide 914D

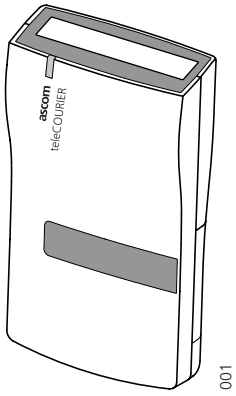

Figure 1. 914D Pocket Receiver

Functions	914D Basic	914D Advanced
Characters per message	12	120
Messages stored	4	10
Max. characters in memory	48	480
Group paging numbers	-	5
Absence indication	-	Yes
Time stamp	-	Yes
Time display	-	Yes
Out of range indication	-	Yes

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Figure 2. 914D versions

The 914D is available in two versions: Basic and Advanced. The simplest version is the 914D Basic which provides basic functionality only. Most functions described in this document do not apply to the Basic version. In the Advanced version it is possible to have one call number and up to five additional group numbers.

2 Descriptions

914D is a pocket receiver used for messaging within the On-site paging system. It is designed for environments where there is a need for short text presentations and hands-free operation.

The pocket receiver is easy to carry and operate. It is flexible; you pick from a range of functions and settings to adapt your receiver to your own requirements. The functionality depends on which version of the 914D you use and how the receiver is programmed.

Both versions (914D Basic and 914D Advanced) are equipped with a top display that can present 12 characters simultaneously. An incoming message is automatically displayed. The beep signal can be customised to give a special signal for a selected kind of message. The pocket receiver stores up to ten messages, with a total of max. 480 characters. When idle the display shows your name/number in the system – the so called identity.

While storing/charging the receiver in the T967 storage/charging rack, it can receive messages and send absence indication.

2.1 Constituent Parts

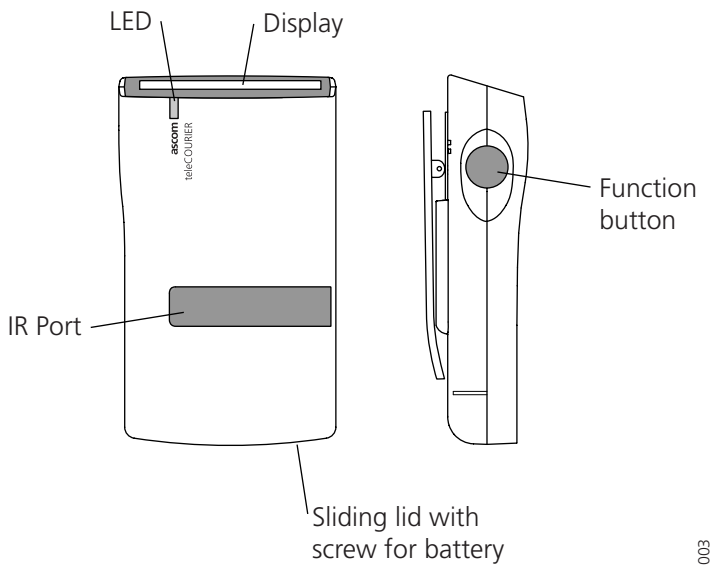

Figure 3. Constituent parts of 914D

2.1.1 Display

The display simultaneously shows 12 characters and longer messages automatically scroll on the display.

When idle the display shows the identity and, if the identity is shorter than six characters, also the current time. The receiver is programmed with a unique identity within the system; it can be your call number, your name or similar. Below this text icons appear, for example to notify you when you receive a new message, or to keep track of functions you have activated like the time stamp. The system administrator can change all pre-programmed texts.

If an error occurs the symbol for error indication appears, alternating with the identity at two-second intervals.

2.1.2 Display Symbols

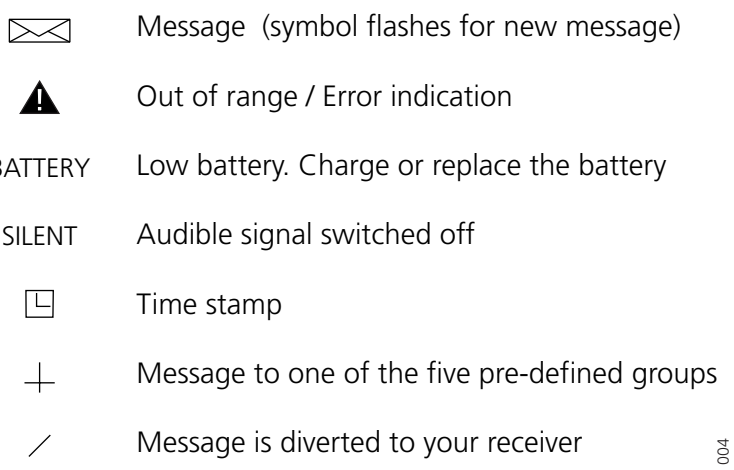
Message (symbol flashes for new message)
Out of range / Error indication
BATTERY
Low battery. Charge or replace the battery
SILENT
Audible signal switched off
Time stamp
Message to one of the five pre-defined groups
Message is diverted to your receiver
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Figure 4. Display symbols and texts

2.1.3 Function Button

The function button is placed on the side of the receiver. All menu handling is carried out with long and short presses on this button.

2.1.4 LED

A flashing LED shows that a new message is received. It also flashes when turning on the receiver.

2.1.5 IR Port

When the pocket receiver is stored in the storage/charging rack, all communication is run by the IR (infrared) port to save battery. The radio receiver part in the pocket receiver is automatically turned off when the receiver is placed in the rack.

2.1.6 Battery

Any LR3-sized battery, or the rechargeable Inductive Battery Pack (IBP1), can be used. Keep the pocket receiver in the storage/charging rack, or turned off, to save battery when not in use.

When "BATTERY" is displayed, replace or charge the battery; the performance of the radio receiver is otherwise not guaranteed. To change battery see 9.2 *Remove/Replace the battery* on page 12.

2.1.7 Clip

All 914D versions are equipped with a clip that can be fastened to a pocket or another piece of clothing.

3 Basic Functions

3.1 Turn the Receiver ON

Make one short press on the function button. The identity is shown in the display.

3.2 Turn the Receiver OFF

Make two long presses on the function button.

Note: All messages will be erased when the receiver is turned off, unless the memory function is activated.

3.3 Receive a Message

A beep signal is heard and the message automatically scrolls on the display for one minute. The message symbol is flashing until the message is accepted. The message symbol is shown in the display as long as any message is stored.

3.4 Accept a Message

Make one short press on the function button to accept a message. Once the message is accepted, the display shows the next message. The message symbol stops flashing when all messages are accepted.

If a message has not been read and accepted within the first minute, only the 12 first characters of the message are shown. Make a short press on the function button to display the rest of the message.

3.5 Step through Messages

Make a short press on the function button to make the first message appear. Repeat for the next message.

3.6 Erase a Message

Step to the message you want to erase and make a long press on the function button until ******** appears.

3.7 Turn the Audible Signal ON/OFF

Make one long press followed by a short press on the function button; "TONE?" is displayed. Switch between ON/OFF with long presses on the function button.

When the audible signal is turned off, the text "SILENT" is shown in the display and no beep signal is heard when a message arrives.

Note: All pagings with high priority override a switched off audible signal.

3.8 Screensaver

By using the screensaver, a longer battery life is ensured. The screensaver function is pre-programmed and shuts the display off after a pre-set time. To activate the display again, press the button. An incoming message turns the screensaver off automatically. After reading the message, it is important to press the button to return to ID mode. By this, the screensaver function is reactivated.

4 Display Menu Handling

The display menu is your aid when you set your personal parameters. Use it to change parameters in your 914D, step to the required function and activate/deactivate the function.

4.1 Navigate the Menu Tree

Use a long press on the function button to enter the display menu, and short presses to step between the functions. A long press will change the function setting.

To return to stand-by mode, use short presses and step until the text "EXIT?" appears. Exit is the last alternative in the menu level. Make one long press and you will return to the stand-by mode where the identity and time is shown. Another alternative is to just wait for 15 seconds and the receiver will automatically return to stand-by mode.

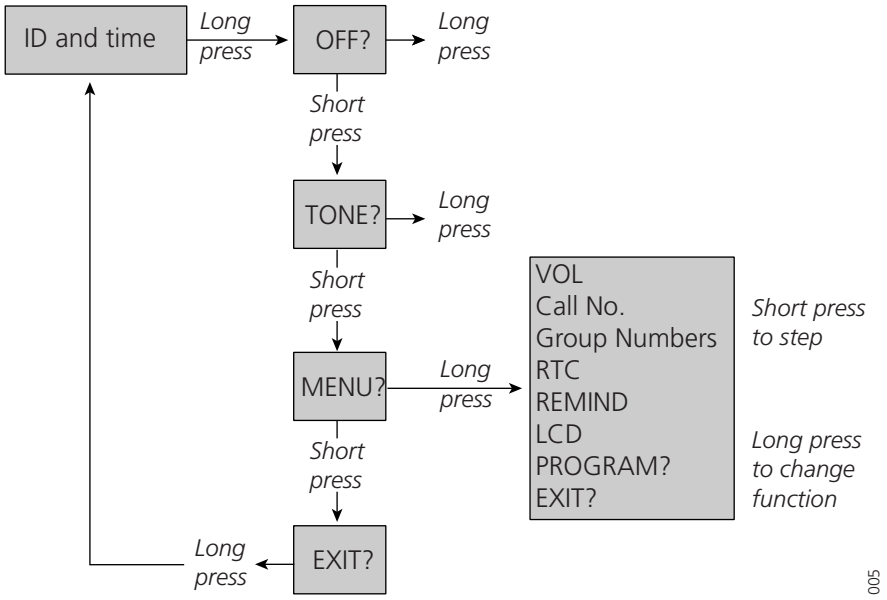

Figure 5. Display menu 914D

4.2 Menu Description

Note: Depending on your system, some functions may not apply to your 914D. The display texts can also have been changed by your system manager.

VOL

This function changes the beep signal volume. Choose between three volumes, a volume step option, and vibrator if your receiver has that option. See 5.1 *Increase/Decrease the Volume* on page 8. The melody of the signal beep can only be changed by your system administrator.

To receive pagings silently, see 3.7 *Turn the Audible Signal ON/OFF* on page 5.

Individual Call Number

Your individual call number is set by your system administrator.

Group Number

In addition to the individual call number, your pocket receiver can receive pagings on up to five additional call numbers. These could, for example, be group pagings that you take part of, or messages diverted to you. Messages that are sent to one of these five additional numbers are indicated by the call number symbol ┼ at the end of the message. Each one of the additional numbers can be enabled/disabled. See 5.3 *Activate/Deactivate a Group Number* on page 8.

RTC, Time Stamp

The RTC (real time clock) in the paging system provides your pocket receiver with the time.

The time stamp is a function that allows you to see when a message is received. It is shown at the end of each message and is indicated by the time stamp symbol |└┤ . The time stamp is activated when the RTC function is activated, see 5.4 *Activate/Deactivate the Time Stamp function* on page 8.

Note: The time stamp is not displayed if the message is older than 24 hours, or consists of too many characters.

REMIND

When the remind function is activated a beep signal will sound on regular intervals, until you have accepted an incoming message. See 5.5 *Activate/Deactivate the Reminder Beep Signal* on page 8.

LCD

This function allows you to change the orientation of the text in the display, the text can be rotated 180 degrees. Depending on how you carry your receiver this can be convenient. See 5.6 *Change the Display Text Orientation* on page 8.

PROGRAM?

The receiver must be set in the program mode with the text “P!<Your call number>” shown, to enable remote programming via radio. See 5.7 *Activate the Programming Mode* on page 9. Programming via radio can only be done by your system administrator.

EXIT

“EXIT?” will take you to the stand-by mode in the display menu where the receiver identity is shown.

5 Function Settings

5.1 Increase/Decrease the Volume

Enter the display menu with one long press and step to "MENU?" with two short presses. Make a long press. "VOL" and a digit (1, 2 or 3) will appear. Press and hold the function button. The volume levels sound from 1 (lowest) to 3 (highest). The stair symbol ⌐╔ gives you a beep signal that starts low and gets higher. If you have the vibrator option, this will be indicated by "VIB". Release the button at the desired beep signal.

5.2 View the Individual Call Number

Enter the display menu with one long press and step to "MENU?" with two short presses. Make a long press followed by a short press. "xxxxxx On" is displayed, (xxxxxx = your individual call number).

Note: Your individual call number is always enabled.

5.3 Activate/Deactivate a Group Number

Enter the display menu with one long press and step to "MENU?" with two short presses. Make a long press followed by two short presses. Additional group numbers and the text ON/OFF appears. Make a long press to switch between ON and OFF, release the button at the desired setting. This enables/disables pagings to this number.

5.4 Activate/Deactivate the Time Stamp function

Enter the display menu with one long press and step to "MENU?" with two short presses. Make a long press followed by short presses until "RTC" is displayed. Make a long press to switch between ON and OFF, release the button at the desired setting. This activates/ deactivates the time stamp function.

5.5 Activate/Deactivate the Reminder Beep Signal

Enter the display menu with one long press and step to "MENU?" with two short presses. Make a long press followed by short presses until "REMIND" is displayed. Make a long press to switch between ON and OFF, release the button at the desired setting. This activates/deactivates the reminder beep signal that sounds on regular intervals until a message is accepted.

5.6 Change the Display Text Orientation

Enter the display menu with one long press and step to "MENU?" with two short presses. Make a long press followed by short presses until "LCD" is displayed. Make a long press to change the orientation of the display text.

5.7 Activate the Programming Mode

Enter the display menu with one long press and step to "MENU?" with two short presses. make a long press followed by short presses until "PROGRAM?" appears. Make a long press to activate the programming mode.

When the receiver shows "P!<Your call number>", remote programming via radio is possible. After receiving the correct parameters the receiver will restart.

6 Advanced Functions

These programmable functions, as well as system parameters, vary depending on the 914D you have. The functions are activated by your system administrator.

6.1 Memory

This function saves your messages, even if you turn the receiver off.

Note: If you replace the battery all messages will be erased, even if the memory function is activated.

6.2 Test Paging

Each time you take the receiver out of the storage/charging rack, the system automatically tests the receivers paging abilities.

Take the receiver out from the charging rack as usual. Check for error messages after three minutes. If the error symbol ⚠ and "OUT OF RANGE" are displayed the test paging has failed. Replace the receiver in the storage/charging rack and take it out again. If the error message still remains contact your system administrator.

6.3 Beep Signals

To distinguish between different types of paging messages, you can choose between seven different beep signals. Any of these seven beep signals can be modified by your system administrator, see chapter *7 For System Administrator – Parameter settings in 914D*.

6.4 Absence Indication

With absence indication activated, and the receiver placed in the storage/charging rack, anyone who tries to send you a message receives an absence indication. The paging may also be diverted to somebody else in case you are absent, see6.6 *Call Diversion* on page 10.

6.5 Info-Page

The info-page consists of information that is regularly sent to the pocket receiver, for example a value you need to monitor.

The info-page is not indicated by any symbol, the user has to know its existence. The info-page is found by scrolling through all messages with short presses on the function button.

If required, the info-page message can be highlighted by, for example, programming "i:" to appear before the general info-page text.

6.6 Call Diversion

Pagings, originally intended for someone else, can be automatically diverted to your receiver. The call diversion symbol ／ indicates that the call has been diverted to your receiver. The call number to which the call was originally intended is displayed after the symbol.

7 For System Administrator – Parameter settings in 914D

The programming of 914D shall only be performed by the system administrator which sets parameters and relevant functions in the receiver to customise its functionality.

The parameter memory consists of an EEPROM. The pocket receiver is programmed by using a PC equipped with the software application Pocket Unit Programmer (PUP), included in the software package Win900 Base Kit.

The receiver is usually programmed while it is in the storage/charging rack. It is also possible to program the receiver remotely by radio.

7.1 Receiver Operation

Setting parameters provides following functions:

- Display on/off
  Should the display be active or not when the receiver is in the storage/charging rack.
- Automatic on/off
  Sets the receiver to start/stop at pre-set times.
- Text presentation
  Longer text messages either scroll on the display or are shown in segments; this can be customised.
- LED behaviour
  Sets the LED to blink in a customised sequence.
- Beep signals
  The signals can be customised, but the PUP has several standard beep signals to choose from.
- Display menu
  All text in the display can be changed to fit your own language or terminology.

Note: This document uses default values.

7.2 Test Paging

Each time you take the receiver out of the storage/charging rack, the system automatically tests the receiver's paging abilities. The receiver expects a paging from the system within three minutes after you take it out of the storage/charging rack. If this paging is not received, an error message appears on the display.

7.3 User Permission

It is possible to restrict access to functions. You can choose to lock user parameters preventing the user from accessing these functions. As a result, the function is no longer accessible to the user and disappears from the receiver.

These parameters are: REMIND beep signal, RTC, VOLume, OFF, SILENT, SET, LCD orientation, PROGRAMming mode and Group numbers.

8 System Functions

The following system functions are set in the system and work together with the 914D.

8.1 General

The system can be used to send pagings that feature the commands delete and accept. This is for example used to delete/accept a message after a pre-set time.

8.2 Info-Page

The info-page consists of information that is automatically updated at regular intervals. This function can for example be used to monitor measurements.

The system sends pagings containing information to the receiver which stores the information. The info-page is not indicated by any symbol in the display. You find the info-page stored last in the list of messages in the receiver. The system continues to send pagings continuously updating the information. You can have up to six different info-pagings in the 914D.

8.3 Auto Accept/Delete

Auto accept/delete can be used as follows: In a hospital all the nurses receive a group paging of an alarm in a room. One nurse goes to attend the patient, presses a button that sends a command to the system that help is present. The system then sends a group paging that clears this specific paging from all other receivers.

9 Maintenance

9.1 Storing the 914D

While not in use, place the receiver in the T967 storage/charging rack to save battery.

Note: If you are using a rechargeable battery, make sure to place your receiver regularly in the charging rack, for example every night.

9.2 Remove/Replace the battery

When you remove the battery you erase all messages, even if the memory function is activated.

Unlock the screw and slide the cover in the direction indicated by the arrow. Remove the battery. Reset the battery warning with a long press on the function button. Replace the battery with any LR3-sized battery, or the rechargeable Inductive Battery Pack, IBP1. Insert it according to the markings and slide back the cover. Lock the screw.

Note: It takes 10 seconds before the receiver starts up. Check the display that no error message appears.

9.3 Charge the Battery

Place the receiver in the T967 storage/charging rack. The first time you use the inductive battery, IBP1, charge it for approximately 14 hours. After that, store the receiver in the storage/charging rack whenever you are not using it.

Low battery is indicated by the display text "BATTERY". Change or charge the battery immediately, the performance of the radio receiver is otherwise not guaranteed.

9.4 Handling error indication

The error indication/out of range symbol ⚠ together with the text "OUT OF RANGE" indicates that you probably are outside the coverage area. Check that the receiver is within coverage area.

The error indication/out of range symbol ⚠ together with the text "BATTERY" indicates a low battery. Change or charge the battery immediately, the performance of the radio receiver is otherwise not guaranteed.

The error indication/out of range symbol ⚠ together with the text 914DVX.XX, indicates a parameter error. Reprogram the receiver using the Pocket Unit Programmer.

This symbol alone can be an indication of system error or that the radio in the receiver is out of order. Try to restart the receiver. If the symbol still remains, contact the system administrator.

9.5 Upgrading the Software

For instructions on how to upgrade the software in the 914D Pocket Receiver, see *Installation and Operation Manual, Programming Adapter for 914D, TD 92327GB.*